[\*] 21 tests passed:

- test\_generated\_mutants [0.14200 s]

[\*] Start mutants generation and execution:

- [# 1] AOR source\_to\_mutate: [0.11213 s] incompetent

- [# 2] COI source\_to\_mutate: [0.06240 s] killed by test\_generated\_mutants.py::test\_empty\_array

- [# 3] COI source\_to\_mutate: [0.06310 s] killed by test\_generated\_mutants.py::test\_already\_sorted

- [# 4] ROR source\_to\_mutate: [0.06752 s] killed by test\_generated\_mutants.py::test\_empty\_array

- [# 5] ROR source\_to\_mutate: [0.05454 s] killed by test\_generated\_mutants.py::test\_already\_sorted

- [# 6] SIR source\_to\_mutate: [0.05713 s] killed by test\_generated\_mutants.py::test\_one\_shift\_needed

- [# 7] SIR source\_to\_mutate: [0.06936 s] survived

- [# 8] SIR source\_to\_mutate: [0.06656 s] survived

[\*] Mutation score [0.74686 s]: 71.4%

- all: 8

- killed: 5 (62.5%)

- survived: 2 (25.0%)

- incompetent: 1 (12.5%)

- timeout: 0 (0.0%)

[SUCCESS] Initial tests passed. Now calculating coverage and mutation score.

--- Step 4: Calculating test coverage ---

[INFO] Running coverage for target: mutation\_output\source\_to\_mutate.py, tests: mutation\_output\test\_generated\_mutants.py

Name Stmts Miss Branch BrPart Cover Missing

-----------------------------------------------------------------

source\_to\_mutate.py 12 0 6 0 100%

-----------------------------------------------------------------

TOTAL 12 0 6 0 100%

--- Step 5: Final Results ---

[INFO] Test Coverage: 100%

[INFO] Mutation Score: 71.40%

--- Analysis Finished ---